Jer	ISBN - 0022870652		Publisher - Macmillan/McGraw-Hill					
ublist	Kentucky Student Edition							
the P	Type -	Type - P1 Author - Hackett, and others					2	
d by	Copyr	ight - 2009	rst	Reada	bility -	Modified Dale-Chall 1.6		
Kentucky Student Edition Type - P1 Author - Hackett, and others Copyright - 2009 Edition - First Readability - Modified Dale-Chall 1.6 Grade(s) - 1 Teacher Edition ISBN if applicable				1	2			
ď	Teacher Edition ISBN if applicable 0022871497					9		
Overall Recommendation: Recommended as Basal Overall Strengths, Weaknesses, Comments:								
This basal aligns well with the KY Standards, however it could strengthened in the Big Ideas including Biological Change, Energy Transformations, and Interdependence. Each lesson is organized around the 5-E Learning Cycle Model. Success with this basal requires that the teacher implements all components of each lesson. Most activity materials can be obtained locally, but some will have to be ordered. Important student and teacher resources are not included with the essential components.								
CRITERIA This basal resource A. Encompasses KY Content Standards & Grade Level Expectations Strong Evidence Moderate Evidence Little or No Evidence								
	☐ Text is designed to be used in an elective course outside the Program of Studies							
	1) Inc		_	ience to the fol			Ū	
	, a)	Structure and			J		ng Moderate Little N/A	
	b)	Motion and Fo	orces			⊠ Stron	ng Moderate Little N/A	
	c)	The Earth and					ng ☐ Moderate ☐ Little ☐ N/A	
	0)					Stron		
	۸/		roit.					
	d)	Unity and Dive	·			⊠ Stron	ng Moderate Little N/A	
	e)	Biological Cha	inge			⊠ Stron	ng	
	,	·	inge			⊠ Stron	ng Moderate Little N/A	
	e)	Biological Cha	ormation			Stron	ng	

standards.

Addresses content-specific skills and concepts from the related Program of Studies standards.	☐ Strong ✓ Moderate ☐ Little ☐ N/A
4) Content addressed is current, relevant and non- trivial	Strong ☐ Moderate ☐ Little ☐ N/A
5) Provides opportunities for critical thinking/reasoning	Strong
 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered expecific weaknesses-which areas/concepts would likely 	
This basal has good coverage of KY standards. Areas well include Structure and Transformation of Matter, Universe, and Unity and Diversity. Areas/concepts as supplementation include Biological Change, Energy Tinterdependence.	Motion and Forces, Earth and the ddressed but requiring
B. Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence
1) Suitability	☐ Strong ☑ Moderate ☐ Little ☐ N/A
 Should be suitable for use with a diverse population and ethnicity, gender, religion, social and/or geographic environments. 	
2) Content quality	Strong
 Free from factual errors Content is presented conceptually when possible—mor Content included accurately represents the knowledge Theories/scientific models contained represent a broad 	base of the discipline
3) Connections to Literacy Note: may apply to either student or teacher editions	☐ Strong ☑ Moderate ☐ Little
 Employs a variety of reading levels and is grade/level at Contains pre, during, post reading activities Provides opportunities for summarizing, reviewing, and at multiple levels of difficulty for a variety of learning sty Student text provides opportunity to integrate reading at Uses vocabulary that is age and content appropriate Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both tex Engaging text- does the text facilitate learning? Does understanding the text require having performed to 	reinforcing vocabulary skills and concepts reles. nd writing t and glossary
4) Connections to Technology	☐ Strong ☑ Moderate ☐ Little

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data

5) Support for Diverse Learners

☐ Strong ☑ Moderate ☐ Little

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms Note: may apply only to teacher edition

6) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Content addressed is adequate, however, fossils are not addressed. Teachers' guide provides literacy connections such as vocabulary, reading, and writing. Understanding the text does require performing the imbedded activities. Teachers' guide provides support for ESL and differentiated instruction. Technology is mentioned throughout the student edition in the form of web links. The web page appears, but none of the links were live. Other technology sources are referenced in the teacher's guide, however, none of these are available in the essential components.

C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence
1) Promotes Inquiry, research and Application of Learning	Strong Moderate Little

- Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.
 Note: may apply to either teacher or student edition

2) Skill Development

Strong	Moderate		Little
--------	----------	--	--------

- Provides opportunities to make sense of data
- Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)
- Provides opportunities to examine a range of types of evidence
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Numerous opportunities to promote inquiry and apply learning are included in both the student and teacher editions. Some of the inquiry activities require materials that are not included. Some of these materials can be obtained locally and others cannot. Each lesson is organized using the 5 -E Learning Cycle Model. Science Process skills are imbedded throughout. Science tools are used to collect data.			
D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence		
 1) Engages Students Includes content geared to the needs, interests, and abilities of second engages and motivates students using components such as real 			
 Engages and motivates students using components such as rea experiments, and data gathering. Includes information and activities that assist students in seeing appropriate) to their own lives and experiences Provides a variety of strategies, activities, and materials to enha appropriate learning levels Activities are truly congruent to the concepts addressed, not me <i>Note: may apply to either teacher or student edition</i> 	relevance of concepts (where		
2) Uses Assessment to Inform Instruction	☐ Strong ☑ Moderate ☐ Little		
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activities Embedded assessments reflect a variety of Depth of Knowledge levels <i>Note: may apply to either teacher or student edition</i> Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual 			
evaluation standards			
Student engagement is dependent on degree of implementation by the teacher. A variety of teaching strategies are an integral part of this basal. Some assessment strategies are suggested in the teachers' guide.			
E. Has an Organization/ Format that Supports Learning and Teaching	Strong Evidence Moderate Evidence Little or No Evidence		
1) Organizational Quality	Strong		

• Print and/or electronic materials present minimal barriers to learners

- · Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

· Construction appears to be durable and able to withstand normal use

Strona	Modera Modera	ate 🗌 Little

 Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The organization and presentation in the textbook is student friendly. Color and graphics are used well to enhance the text. Teachers' guide is user friendly with the student pages included surrounded by teacher resources. Media resources are referenced in the teachers' guide, but are not included as essential components.

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

\boxtimes	Strong Evidence
	Moderate Evidence
	Little or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

"Free with Purchase" materials included some items that should be included essential such as audio song CD, media CD-Roms, photo cards, KY Closer Look Resource, Assessment book, KY Test Preparation, Science vocabulary cards, Science on-the-go cards, and Science Projects in a Pocket. There are additional "Free with Purchase" materials and Ancillary materials available. There is a complete kit of activity materials available for purchase.